

| L Number | Hits | Search Text | DB | Time stamp |
|----------|-------|--|--|------------------|
| 1 | 400 | (704/246).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 18:14 |
| 2 | 2 | ((704/246).CCLS.) and ((director\$3 or inventor\$3 or warehouse\$1 or shop\$1 or floor\$1) near (manag\$3 or management)) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 18:15 |
| 3 | 2 | ((704/246).CCLS.) and ((director\$3 or inventor\$3 or warehouse\$1 or shop\$1 or floor\$1) near (manag\$3 or management)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 18:16 |
| 4 | 509 | (704/251).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 18:15 |
| 5 | 0 | ((704/251).CCLS.) and ((director\$3 or inventor\$3 or warehouse\$1 or shop\$1 or floor\$1) near (manag\$3 or management)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 18:16 |
| 6 | 184 | (704/272).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 18:16 |
| 7 | 1 | ((704/272).CCLS.) and ((director\$3 or inventor\$3 or warehouse\$1 or shop\$1 or floor\$1) near (manag\$3 or management)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 18:16 |
| 8 | 730 | (704/275).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 18:16 |
| 9 | 1 | ((704/275).CCLS.) and ((director\$3 or inventor\$3 or warehouse\$1 or shop\$1 or floor\$1) near (manag\$3 or management)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 18:16 |
| 10 | 252 | (704/276).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 18:16 |
| 11 | 0 | ((704/276).CCLS.) and ((director\$3 or inventor\$3 or warehouse\$1 or shop\$1 or floor\$1) near (manag\$3 or management)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 18:17 |
| - | 2 | ("6157705").PN. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/04 13:28 |
| - | 2 | ("6092045").PN. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/04 13:38 |
| - | 34875 | locator | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/04 13:38 |
| - | 48 | locator and locate and aisle | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/04 13:38 |
| - | 1 | ("6507352").PN. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 11:46 |
| - | 1031 | bin adj number | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 11:46 |

| | | | | |
|---|-------|--|--|------------------|
| - | 107 | (bin adj number) same display | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 12:00 |
| - | 80 | ((bin adj number) same display) and locat\$ | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 11:47 |
| - | 131 | ((row or slot) adj location) same display | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 12:01 |
| - | 131 | ((row or slot) adj location) same display) and locat\$ | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 12:01 |
| - | 131 | ((row or slot) adj location) same display) and display | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 12:14 |
| - | 5 | (slot adj row) adj location | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 12:15 |
| - | 0 | (slot adj "and" adj row) adj location | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 12:15 |
| - | 0 | slot adj "and" adj row | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 12:16 |
| - | 63071 | row and slot | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 12:17 |
| - | 2468 | (row and slot) same location | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 12:18 |
| - | 640 | ((row and slot) same location) and display | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 12:18 |
| - | 1344 | (row same slot) same location | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 12:18 |
| - | 239 | ((row same slot) same location) and display | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 12:18 |
| - | 2 | ("6148291").PN. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/02/05 13:37 |
| - | 434 | ((item\$1 or shelf or shelves or location\$1 or bin\$1 or aisle\$1) same (locator\$1 or location\$1 or locating or inventor\$3) same (talk\$3 or voice or speech\$1 or audio)) and (recognition or recogniz\$3) and (shopper\$1 or shopping or shop\$1 or retail\$2 or cart\$1) and ((speech\$1 or voice or audio) near3 (recogni\$4)) and (DSP or processor\$1 or CPU or microprocessor\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 14:26 |

| | | | | |
|---|-----|---|--|------------------|
| - | 11 | ((item\$1 or shelf or shelves or location\$1 or bin\$1 or aisle\$1) same (locator\$1 or location\$1 or locating or inventor\$3) same (talk\$3 or voice or speech\$1 or audio)) and (recognition or recogniz\$3) and (shopper\$1 or shopping or shop\$1 or retail\$2 or cart\$1) and ((speech\$1 or voice or audio) near3 (recogni\$4)) and (DSP or processor\$1 or CPU or microprocessor\$1)) and ((hidden adj markov) or HMM) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 14:27 |
| - | 0 | ((((item\$1 or shelf or shelves or location\$1 or bin\$1 or aisle\$1) same (find\$3 or locator\$1 or location\$1 or locating or inventor\$3) same (talk\$3 or voice or speech\$1 or audio)) and (recognition or recogniz\$3) and (shopper\$1 or shopping or shop\$1 or retail\$2 or cart\$1) and ((speech\$1 or voice or audio) near3 (recogni\$4)) and (DSP or processor\$1 or CPU or microprocessor\$1)) and ((hidden adj markov) or HMM)) not (((item\$1 or shelf or shelves or location\$1 or bin\$1 or aisle\$1) same (locator\$1 or location\$1 or locating or inventor\$3) same (talk\$3 or voice or speech\$1 or audio)) and (recognition or recogniz\$3) and (shopper\$1 or shopping or shop\$1 or retail\$2 or cart\$1) and ((speech\$1 or voice or audio) near3 (recogni\$4)) and (DSP or processor\$1 or CPU or microprocessor\$1)) and ((hidden adj markov) or HMM)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 14:27 |
| - | 11 | ((item\$1 or shelf or shelves or location\$1 or bin\$1 or aisle\$1) same (find\$3 or locator\$1 or location\$1 or locating or inventor\$3) same (talk\$3 or voice or speech\$1 or audio)) and (recognition or recogniz\$3) and (shopper\$1 or shopping or shop\$1 or retail\$2 or cart\$1) and ((speech\$1 or voice or audio) near3 (recogni\$4)) and (DSP or processor\$1 or CPU or microprocessor\$1)) and ((hidden adj markov) or HMM) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 14:27 |
| - | 448 | ((item\$1 or shelf or shelves or location\$1 or bin\$1 or aisle\$1) same (find\$3 or locator\$1 or location\$1 or locating or inventor\$3) same (talk\$3 or voice or speech\$1 or audio)) and (recognition or recogniz\$3) and (shopper\$1 or shopping or shop\$1 or retail\$2 or cart\$1) and ((speech\$1 or voice or audio) near3 (recogni\$4)) and (DSP or processor\$1 or CPU or microprocessor\$1)) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:29 |
| - | 641 | directory near2 assistan\$2 | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:29 |
| - | 499 | (directory near2 assistan\$2) and (locat\$3 or find\$3) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:51 |
| - | 194 | ((directory near2 assistan\$2) and (locat\$3 or find\$3)) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:34 |
| - | 312 | kiosk\$1 same shop\$4 | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:34 |

| | | | | |
|---|------|--|--|------------------|
| - | 42 | (kiosk\$1 same shop\$4) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:38 |
| - | 3046 | (director\$3 or inventor\$3) near (manag\$3 or management) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:37 |
| - | 3658 | (director\$3 or inventor\$3 or warehouse\$1 or shop\$1 or floor\$1) near (manag\$3 or management) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:38 |
| - | 130 | ((director\$3 or inventor\$3 or warehouse\$1 or shop\$1 or floor\$1) near (manag\$3 or management)) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 18:15 |
| - | 211 | (705/22).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:50 |
| - | 3 | ((705/22).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:50 |
| - | 1099 | (705/24).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:50 |
| - | 3 | ((705/24).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:51 |
| - | 799 | (705/26).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:54 |
| - | 71 | ((705/26).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:54 |
| - | 66 | ((705/26).CCLS.) and ((voice or speech or audio) near recognition\$1)) and (locat\$3 or find\$3) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:10 |
| - | 526 | (705/28).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:55 |
| - | 17 | ((705/28).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:55 |
| - | 158 | (705/29).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:55 |
| - | 4 | ((705/29).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:57 |
| - | 3639 | (235/375).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:58 |
| - | 41 | ((235/375).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:59 |

| | | | | |
|---|------|---|--|------------------|
| - | 257 | (235/376).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:59 |
| - | 4 | ((235/376).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:59 |
| - | 142 | (235/377).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:59 |
| - | 1 | ((235/377).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 16:59 |
| - | 119 | (235/378).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:01 |
| - | 0 | ((235/378).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:01 |
| - | 703 | (235/383).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:03 |
| - | 17 | ((235/383).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:03 |
| - | 504 | (235/385).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:03 |
| - | 9 | ((235/385).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:08 |
| - | 0 | (340/572).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:08 |
| - | 653 | (340/571).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:08 |
| - | 3 | ((340/571).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:10 |
| - | 1760 | (707/104.1).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:10 |
| - | 83 | ((707/104.1).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:16 |
| - | 80 | ((707/104.1).CCLS.) and ((voice or speech or audio) near recognition\$1)) and (locat\$3 or find\$3) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:16 |
| - | 2065 | (707/3).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:16 |

| | | | | |
|---|-------|--|--|------------------|
| - | 102 | ((707/3).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:18 |
| - | 98 | ((707/3).CCLS.) and ((voice or speech or audio) near recognition\$1)) and (locat\$3 or find\$3) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:18 |
| - | 2397 | (707/10).CCLS. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:17 |
| - | 102 | ((707/10).CCLS.) and ((voice or speech or audio) near recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:18 |
| - | 98 | ((707/10).CCLS.) and ((voice or speech or audio) near recognition\$1)) and (locat\$3 or find\$3) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/17 17:18 |
| - | 2 | ("6497367").PN. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 09:49 |
| - | 1 | | USPAT | 2003/06/18 09:50 |
| - | 1 | | USPAT | 2003/06/18 09:50 |
| - | 1 | | USPAT | 2003/06/18 09:51 |
| - | 6913 | keyboard\$1 same menu | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 14:27 |
| - | 2279 | (keyboard\$1 same menu) same program\$4 | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 14:27 |
| - | 3662 | keyboard\$1 with menu | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 14:27 |
| - | 498 | (keyboard\$1 with menu) with program\$4 | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 14:27 |
| - | 170 | ((keyboard\$1 with menu) with program\$4) with (operat\$3 or manag\$5) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 14:28 |
| - | 17 | ((keyboard\$1 with menu) with program\$4) with (operat\$3 or manag\$5)) and ((voice or speech or audio) adj recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 14:59 |
| - | 80845 | (digital-to-analog or (digital adj to adj analog) or D/A) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 14:58 |
| - | 3757 | ((digital-to-analog or (digital adj to adj analog) or D/A)) same speaker\$1 | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 14:59 |
| - | 199 | ((digital-to-analog or (digital adj to adj analog) or D/A)) same speaker\$1) same (adapter\$1 or driver\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 14:59 |
| - | 38 | ((digital-to-analog or (digital adj to adj analog) or D/A)) same speaker\$1) same (adapter\$1 or driver\$1)) and ((voice or speech or audio) adj recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 16:52 |
| - | 0 | recognizer\$1 and interpreter\$1 and ((voice or speech or audio) adj recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 15:37 |

| | | | | |
|---|------|---|--|------------------|
| - | 4 | recogniz\$3 and intepret\$3 and ((voice or speech or audio) adj recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 15:47 |
| - | 2 | ("4783803").PN. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 15:47 |
| - | 2580 | portable and ((voice or speech or audio) adj recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 16:39 |
| - | 460 | portable with ((voice or speech or audio) adj recognition\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 16:39 |
| - | 10 | ((portable with ((voice or speech or audio) adj recognition\$1)) with ((personal adj computer\$1) or PC\$1) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 16:39 |
| - | 1623 | ((voice or speech or audio) adj recognition\$1) and ((hidden adj markov) or HMM) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 16:53 |
| - | 1449 | (speech adj recognition\$1) and ((hidden adj markov) or HMM) | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 16:55 |
| - | 2 | ("5390278").PN. | USPAT; EPO; JPO; DERWENT; IBM_TDB | 2003/06/18 16:55 |